

WHAT IS CLAIMED IS:

1. A cleaning compound kit for cleaning surfaces in a food processing environment,
said cleaning compound kit comprising:
 - a first container with hydrogen peroxide therein; and
 - a second container with an alkaline reactant therein, said alkaline reactant being
- 5 selected to raise the pH of the cleaning compound into the alkaline range when a predetermined amount of said first container and said second container are mixed together.
2. The cleaning compound kit of claim 1, wherein the cleaning compound has a pH of between approximately 7 to 14 when said predetermined amount of said first container and said second container are mixed together.
3. The cleaning compound kit of claim 1, wherein said hydrogen peroxide is at a concentration of between approximately 0.1 to 70%.
4. The cleaning compound kit of claim 3, wherein said hydrogen peroxide is at a concentration of approximately 12%.
5. The cleaning compound kit of claim 1, wherein said hydrogen peroxide has a pH of between approximately 4.5 to 7.
6. The cleaning compound kit of claim 5, wherein said hydrogen peroxide has a pH of approximately 5.2.
7. The cleaning compound kit of claim 1, wherein said alkaline reactant is one of a low-foaming, moderate-foaming and a high-foaming alkaline cleaner.
8. The cleaning compound kit of claim 1, wherein said alkaline reactant is selected from the group consisting of carbonates, phosphates, silicates, borates, hydroxides.

9. The cleaning compound kit of claim 1, wherein one of said first container and said second container includes at least one of a chelant, coupling agent, oxygen-stable dye, and oxygen-stable surfactant.

10. The cleaning compound kit of claim 1, wherein said alkaline reactant is at a concentration of between approximately 0.1 to 50%.

11. The cleaning compound kit of claim 10, wherein said alkaline reactant is at a concentration of between approximately 5 to 15%.

12. The cleaning compound kit of claim 1, wherein said alkaline reactant has a pH of between approximately 7 to 14.

13. The cleaning compound kit of claim 12, wherein said alkaline reactant has a pH of between approximately 10 to 13.

14. The cleaning compound kit of claim 1, wherein said chemical compound is mixed at a rate of one part amine oxide to between 5 and 99 parts hydrogen peroxide on an active weight basis.

15. The cleaning compound kit of claim 14, wherein said chemical compound is mixed at a rate of one part amine oxide to approximately 9.68 parts hydrogen peroxide on an active weight basis.

16. A cleaning compound for cleaning surfaces in a food processing environment, said cleaning compound comprising:

at least one container, each said container including at least one of a peroxide and an alkaline reactant therein, said alkaline reactant being selected to raise the pH of the cleaning compound into the alkaline range when said peroxide and said alkaline reactant are mixed together.

17. The cleaning compound of claim 16, wherein the cleaning compound has a pH of between approximately 7 to 14 when said predetermined amount of said first container and said second container are mixed together.

18. The cleaning compound of claim 16, wherein said peroxide is at a concentration of between approximately 0.1 to 70%.

19. The cleaning compound of claim 18, wherein said peroxide is at a concentration of approximately 12%.

20. The cleaning compound of claim 16, wherein said peroxide has a pH of between approximately 4.5 to 7.

21. The cleaning compound of claim 20, wherein said peroxide has a pH of approximately 5.2.

22. The cleaning compound of claim 16, wherein said alkaline reactant is one of a low-foaming, moderate-foaming and a high-foaming alkaline cleaner.

23. The cleaning compound of claim 16, wherein said alkaline reactant is selected from the group consisting of carbonates, phosphates, silicates, borates, hydroxides.

24. The cleaning compound of claim 16, wherein one of said first container and said second container includes at least one of a chelant, coupling agent, oxygen-stable dye, and oxygen-stable surfactant.

25. The cleaning compound of claim 16, wherein said alkaline reactant is at a concentration of between approximately 0.1 to 50%.

26. The cleaning compound of claim 25, wherein said alkaline reactant is at a concentration of between approximately 5 to 15%.

27. The cleaning compound of claim 16, wherein said alkaline reactant has a pH of between approximately 7 to 14.

28. The cleaning compound of claim 27, wherein said alkaline reactant has a pH of between approximately 10 to 13.

29. The cleaning compound of claim 16, wherein said chemical compound consists essentially of sodium percarbonate.

30. The cleaning compound of claim 29, wherein said chemical compound includes a chemical formula $\text{Na}_2\text{CO}_3 \cdot 1.5 \text{H}_2\text{O}_2$.

31. The cleaning compound of claim 29, wherein said chemical compound is a granular compound.

32. The cleaning compound of claim 29, wherein said chemical compound is a non-foaming, dry compound.

33. A method of cleaning a surface in a food processing environment, comprising the steps of:

providing a cleaning compound consisting essentially of peroxide and an alkaline reactant, said alkaline reactant being selected to raise the pH of the cleaning compound into the alkaline range; and
5 applying said cleaning compound to the surface.

34. The method of cleaning a surface in a food processing environment of claim 33, wherein said alkaline reactant is a high-foaming, alkaline cleaner, and wherein said applying step includes the substep of foaming said cleaning compound onto the surface.

35. The method of cleaning a surface in a food processing environment of claim 33, including the steps of:

supplying a first container including said peroxide;
supplying a second container including said alkaline reactant; and
5 mixing together at least a portion of the first container and the second container.

36. The method of cleaning a surface in a food processing environment of claim 33, wherein said cleaning compound is a non-foaming, dry alkaline compound, and wherein said applying step includes the substep of spreading said cleaning compound onto the surface.